

CLAIMS:

1. A method of recording an encoded bit stream, said encoded bit stream representing a plurality of video objects comprising a sequence of cells together constituting a part of an MPEG2 Program Stream, on a disc like record carrier, such as an optical disc, said method comprising:

5 recording a collection of contiguously arranged video objects in a video object storage area of said disc,

recording management information in a management information area of said disc for storing information about recorded video objects, wherein

10 said collection is partitioned into adjacent recordings that represent playable titles,

characterized by,

defining a playable title as a playback sequence of all complete cells or a subset of complete cells of a recording in the order of allocation within the video object storage area on the disc, and

15 generating a title list of titles sorted in the order of arrangement within the video object area on the disc.

2. A method according to claim 1, characterized by defining a free space title that represent free space within the video object area and including the free space title in the title
20 list.

3. A method according to claim 2, characterized by blocking free space titles for playback.

25 4. A method according to claim 3, characterized by converting a deleted title to a free space title.

5. A method according to claim 4, characterized by generating a title menu listing the titles in the same order as in the title table for allowing user access to the titles.

6. A recording apparatus for recording an encoded bit stream, representing a plurality of video objects comprising a sequence of cells together constituting a part of an MPEG2 Program Stream, on a disc like record carrier, such as an optical disc, the recording apparatus comprises

5 recording means for recording a collection of contiguously arranged video objects in a video object storage area of said disc and for recording management information in a management information area of said disc for storing information about recorded video objects, wherein said collection is partitioned into adjacent recordings that represent playable titles,

10 characterized in that, the recording apparatus comprises
system control means adapted to define a playable title as a playback sequence of all complete cells or a subset of complete cells of a recording in the order of allocation within the video object storage area on the disc and to generate a title list of titles sorted in the order of arrangement within the video object area on the disc.

15 7. A recording apparatus according to claim 6, characterized in that, the system control means are adapted to define a free space title that represents free space within the video object area and including the free space title in the title list.

20 8. A recording apparatus according to claim 7, characterized in that, the system control means are adapted to block free space titles for playback.

9. A recording apparatus according to claim 8, characterized in that, the system control means are adapted to convert a deleted title to a free space title.

25 10. A recording apparatus according to claim 9, characterized in that, the system control means are adapted to generate a title menu listing the titles in the same order as in the title table for allowing user access to the titles and the recording means comprises output means for displaying the title menu.